

Part 70 Operating Permit Amendment

Permit Amendment No.: 2493-159-0012-V-01-1 **Effective Date:** August 15, 2007

Facility Name: Georgia-Pacific Wood Products LLC – Monticello MDF
791 Georgia-Pacific Road
Monticello, Georgia 31064 (Jasper County)

Mailing Address: 791 Georgia-Pacific Road
Monticello, Georgia 31064

Parent/Holding Company: Georgia-Pacific Wood Products LLC

Facility AIRS Number: 04-13-159-00012

In accordance with the provisions of the Georgia Air Quality Act, O.C.G.A. Section 12-9-1, et seq and the Georgia Rules for Air Quality Control, Chapter 391-3-1, adopted pursuant to and in effect under the Act, the Permittee described above is issued a construction permit and an amendment to the Part 70 Operating Permit for:

Modification to increase annual production from 250 to 325 million square feet at this plant, to modify the existing regenerative thermal oxidizer (RTO) so that it can be used in both regenerative and catalytic modes (Hybrid TCO), to incorporate the ability to import steam from the Plywood Plant Boiler to this plant, to merge existing emissions units (wet-line equipment, laminating pre-finishing equipment and sanding operations; Source Codes 2101, 2102, 2103, 2104, 2201, 2202, 2203, 2300) from the Panelboard Plant Permit (Airs No. 04-13-159-00011), and to incorporate 40 CFR 63, Subpart QQQQ and Subpart JJ requirements.

This Permit Amendment is conditioned upon compliance with all provisions of The Georgia Air Quality Act, O.C.G.A. Section 12-9-1, et seq, the Rules, Chapter 391-3-1, adopted and in effect under that Act, or any other condition of this Permit Amendment and Permit No. 2493-159-0012-V-01-0. Unless modified or revoked, this Permit Amendment expires simultaneously with Part 70 Permit no. 2493-159-0012-V-01-0.

This Permit Amendment may be subject to revocation, suspension, modification or amendment by the Director for cause including evidence of noncompliance with any of the above; or for any misrepresentation made in Application No. TV-16820 dated November 20, 2006; any other applications upon which this Permit Amendment or Permit No. 2493-159-0012-V-01-0 are based; supporting data entered therein or attached thereto; or any subsequent submittal or supporting data; or for any alterations affecting the emissions from this source.

This Permit Amendment is further subject to and conditioned upon the terms, conditions, limitations, standards, or schedules contained in or specified on the attached **33** pages.

Director
Environmental Protection Division

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PART 1.0 FACILITY DESCRIPTION**1.3 Process Description of Modification**

Georgia-Pacific Wood Products LLC operates three facilities as part of a manufacturing complex. In addition to the MDF Plant, the other two facilities manufacture lumber and plywood. A fourth facility, that manufactured Panelboard, ceased operating in 2003. The finishing operations at the Panelboard Plant have served both that Plant and the MDF Plant in the past. As such, those operations will be maintained for the MDF Plant going forward. For that reason, the Panelboard equipment is being added to this permit.

The MDF Plant was originally permitted with an annual production limit of approximately 208 million square feet (1/8-inch basis). A 1999 PSD permit modification increased the annual production level to 250 million square feet. This PSD application seeks to increase annual production to 325 million square feet.

The facility requests to modify the existing regenerative thermal oxidizer (RTO) so that it can be used in both regenerative and catalytic modes. This regenerative thermal oxidizer (RTO) has been in place to control emissions from both the flash tube dryer and the press since the time of the initial construction of the MDF Plant. This RTO utilizes a ceramic heat exchange media. The conversion to a thermal catalytic (Hybrid TCO) unit involves the addition of a layer of catalyst on top of the existing ceramic saddles. The primary advantage of operating in catalytic mode is that the same level of pollutant destruction takes place, but at lower operating temperatures (generally in the range of 800 to 1,000 degrees Fahrenheit). As a result, less supplemental fuel is required, conserving natural gas and reducing cost and emissions. The Hybrid TCO designation reflects the fact that the unit is a hybrid that can operate in either catalytic (RCO) or thermal (RTO) mode. This additional functionality provides a safeguard, should catalyst failure require operation in the thermal mode.

A 62.5 million Btu per hour, natural gas-fired boiler currently provides steam for the manufacturing process at the MDF Plant. With this permit application, the Plant requests the ability to utilize steam from the wood-fired boiler at the Plywood Plant as well. No increase in production capacity is being requested for the Plywood Plant boiler.

With this modification application, this facility requests that the remaining sources at the Panelboard Plant (mainly the wet-line equipment, laminating pre-finishing equipment and sanding operations, Source Codes 2101, 2102, 2103, 2201, 2202, 2203, 2300) be merged into this Title V permit for the MDF Plant. The facility also wants to remove the propane vaporizer (Emission Unit 3980) from the current MDF Title V Permit, and that the capability to burn propane no longer be reflected for any of the MDF Plant sources.

PART 2.0 REQUIREMENTS PERTAINING TO THE ENTIRE FACILITY

2.2 Facility Wide Federal Rule Standards

MODIFIED CONDITION

- 2.2.1 The Permittee shall not produce medium density fiberboard in excess of 325 million square feet (1/8" basis) per any twelve consecutive months.
[40 CFR 52.21]

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PART 3.0 REQUIREMENTS FOR EMISSION UNITS

Note: Except where an applicable requirement specifically states otherwise, the averaging times of any of the Emissions Limitations or Standards included in this permit are tied to or based on the run time(s) specified for the applicable reference test method(s) or procedures required for demonstrating compliance.

3.1.1 Modification to Emission Units

Emission Units		Specific Limitations/Requirements		Air Pollution Control Devices	
ID No.	Description	Applicable Requirements/Standards	Corresponding Permit Conditions	ID No.	Description
3300	Board Breaker [Uninstalled]				
3404	Refiner	391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 40 CFR 52.21	3.3.4, 3.4.1, 3.4.4, 5.2.2, 6.1.7	3290	Refiner HP Relay Baghouse
3407	Flash Tube Dryer	391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 40 CFR 52.21 40 CFR 63, Subpart DDDD	3.2.1, 3.3.7, 3.3.8, 3.3.9, 3.3.24, 3.4.1, 3.4.4, 5.2.1, 5.2.2, 5.2.6, 4.2.1, 4.2.2, 4.2.3, 4.2.4, 4.2.5, 4.2.8, 6.1.7	3720 3721 3722	Hybrid TCO Rotary Bed Protector #1 Rotary Bed Protector #2
3460	Boiler	391-3-1-.02(2)(d) 391-3-1-.02(2)(g) 40 CFR 52.21 40 CFR 60, Subpart Dc	3.3.1, 3.3.2, 3.3.5, 3.3.23, 3.4.2, 3.4.3, 3.4.5, 6.1.7, 6.2.2	N/A	None
3508	Former and Press	391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 40 CFR 63, Subpart DDDD	3.2.1, 3.3.4, 3.3.7, 3.3.8, 3.3.9, 3.3.24, 3.4.1, 3.4.4, 5.2.1, 5.2.2, 5.2.6, 4.2.1, 4.2.2, 4.2.3, 4.2.4, 4.2.5, 4.2.8, 6.1.7	3705 3720	Former Filter/Baghouse Hybrid TCO
3532	Trim Saw	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	3.2.1, 3.3.4, 3.3.7, 3.3.8, 3.3.9, 3.4.1, 4.2.1, 4.2.2, 4.2.3, 4.2.4, 4.2.5, 4.2.8, 5.2.1, 5.2.2, 5.2.26, 6.1.7	3708 3720	Trim Saw Baghouse Hybrid TCO
3550	Hot Oil System	391-3-1-.02(2)(d) 391-3-1-.02(2)(g)	3.4.3, 3.4.5, 3.4.6, 6.1.7	N/A	None
3992	UF Resin Tank #2	40 CFR 60, Subpart Kb	3.3.1, 3.3.3, 6.1.7	N/A	None
3991	UF Resin Tank #1	40 CFR 60, Subpart Kb	3.3.1, 3.3.3, 6.1.7	N/A	None
3980	Propane Vaporizer [Uninstalled]				
2101	Wet Line Prefinishing Coating and Printing	391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 391-3-1-.02(2)(jj) 40 CFR 63, Subpart JJ 40 CFR 63, Subpart QQQQ	3.3.10 to 3.3.22, 3.4.1, 3.4.7, 3.4.8, 3.5.1, 5.2.7, 6.1.7, 6.2.6 to 6.2.25, 6.2.27		Filter
2102	Wet Line Prefinishing Sanding and Grooving	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	3.4.1, 3.4.4, 3.5.1, 5.2.5, 6.1.7, 6.2.6, 6.2.27	2902	Wet Line Prefinishing Cyclone

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2103	Wet Line Prefinishing Material Transfer	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	3.4.1, 3.4.4, 5.2.2, 5.2.5, 6.1.7, 6.2.28	2903 2822	Prefinishing Material Transfer Cyclone Plywood Plant Fuel House Cyclone
2201	Laminating Line Prefinishing Coating	391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 391-3-1-.02(2)(jj) 40 CFR 63, Subpart JJ 40 CFR 63, Subpart QQQQ	3.3.10 to 3.3.22, 3.4.1, 3.4.7, 3.4.8, 5.2.7, 6.1.7, 6.2.6 to 6.2.25		Filter
2202	Laminating Line Prefinishing Trimming and Grooving	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	3.4.1, 3.4.4, 5.2.5, 6.1.7, 6.2.28	2901	Laminating Line Prefinishing Cyclone
2203	Laminating Line Prefinishing Material Transfer	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	3.4.1, 3.4.4, 5.2.2, 5.2.5, 6.1.7, 6.2.28	2903 2822	Prefinishing Material Transfer Cyclone Plywood Plant Fuel House Cyclone
2300	Perforator	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	3.4.1, 3.4.4, 5.2.5, 6.1.7, 6.2.28		Portable shop grade de-dust system
2104	Ovens and Heaters (Natural gas fired)	391-3-1-.02(2)(b) 391-3-1-.02(2)(g)	3.4.1, 3.4.5, 6.1.7	N/A	None

* Generally applicable requirements contained in this permit may also apply to emission units listed above.

3.2 Equipment Emissions Cap and Operating Limits

MODIFIED CONDITION

- 3.2.1 The Hybrid Thermal Catalytic Oxidizer (Hybrid TCO – Source Code: 3720) shall achieve a minimum destruction efficiency of 90% for the captured VOC emissions from the flash tube dryers and press operating in either the thermal mode or the catalytic mode.
[40 CFR 52.21]

3.3 Equipment Federal Rule Standards

MODIFIED CONDITION

- 3.3.4 The Permittee shall not discharge or cause the discharge into the atmosphere from the emission sources listed in Table 1 below any gases which contain particulate matter less than 10 microns in diameter (PM₁₀) in excess of the emission limits indicated in Table 1 under any operating condition:
[40 CFR 52.21]

Table 1: PM Emission Limits

Source Code	Source Description	PM10 (gr/dscf)	PM10 (lbs/hr)
3245	ADS Cyclone Baghouse	0.01	2.14
3290	Accepts Cyclone Baghouse	0.01	0.83
3900	Sanderdust Silo Cyclone Baghouse	0.01	0.015

MODIFIED CONDITION

- 3.3.5 The Permittee shall only fire natural gas in the Boiler (Source Code: 3460).
[40 CFR 52.21]

3.3.6 [Deleted]

NEW CONDITION

3.3.7 The Permittee shall use low NO_x burners to minimize NO_x emissions from the Hybrid TCO (Source Code: 3720).
[40 CFR 52.21]

NEW CONDITION

3.3.8 The Permittee shall not discharge or cause the discharge into the atmosphere from the stack associated with the Flash Tube Dryer (Source Code: 3407), the Former/Press (Source Code: 3508), and the Hybrid TCO (Source Code: 3720) any gases which:
[40 CFR 52.21]

- a. Contain NO_x in excess of 5.1 pounds per hour
- b. Contain CO in excess of 14.2 pounds per hour
- c. Contain VOC in excess of 15.4 pounds per hour
- d. Contain PM in excess of 6.6 pounds per hour

NEW CONDITION

3.3.9 The Permittee shall ensure that the catalyst in the Hybrid TCO (Source Code: 3720) remains in proper operating condition while the Hybrid TCO operates in catalytic mode.
[40 CFR 52.21]

40 CFR 63 Subpart JJ

The requirements of Conditions 3.3.10 through 3.3.20 apply to any “wood furniture or wood furniture component” coating operations as defined by 40 CFR 63.801.

NEW CONDITION

3.3.10 The Permittee shall comply with the requirements of 40 CFR Part 63 Subpart A, “General Provisions,” and 40 CFR Part 63 Subpart JJ, “National Emission Standards for Wood Furniture Manufacturing Operations.” In the event of any discrepancy between the terms of this permit and 40 CFR Part 63, Subpart JJ, the terms of 40 CFR Part 63, Subpart JJ shall control.
[40 CFR 63 Subparts A and JJ]

NEW CONDITION

3.3.11 For the purposes of this Permit, volatile hazardous air pollutant (VHAP) shall mean any volatile hazardous air pollutant listed in Table 2 of 40 CFR Part 63 Subpart JJ. In addition, the term “as applied” shall mean the HAP solids content of the coating or contact adhesive that is actually used for coating or gluing the substrate. It includes the contribution of materials used for in-house dilution of the coating or contact adhesive.
[40 CFR 63.801]

NEW CONDITION

3.3.12 The Permittee shall not discharge or cause the discharge into the atmosphere emissions from any wood furniture product or wood furniture component surface coating, a weighted average across all coatings in excess of 1.0 pound VHAP per pound of solids, as applied.
[40 CFR 63.802(a)(1)]

NEW CONDITION

3.3.13 If the Permittee uses compliant finishing materials as stated in Condition 3.3.15(a), the Permittee shall not discharge or cause the discharge into the atmosphere emissions from any wood furniture product or wood furniture component surface coating in excess of 1.0 pound VHAP per pound of solids, as applied, for finishing materials including stains, washcoats, sealers, topcoats, basecoats, and enamels. Washcoats, basecoats, and enamels must comply with this limit if they are purchased premade, that is, if they are not formulated onsite by thinning other finishing materials. If they are formulated onsite, they must be formulated using compliant finishing materials. Thinner that is utilized for onsite formulation of washcoats, basecoats, and enamels, shall not have a VHAP content of greater than 3 percent by weight.
[40 CFR 63.802(a)(1)]

NEW CONDITION

3.3.14 If the Permittee uses compliant finishing materials as stated in Condition 3.3.15(a), the Permittee shall not utilize any thinner that has a VHAP content of greater than 10 percent by weight in the coating operations specified in Condition No. 3.3.12. Thinner that is utilized for onsite formulation of washcoats, basecoats, and enamels, shall not have a VHAP content of greater than 3 percent by weight.
[40 CFR 63.802(a)(1)]

NEW CONDITION

3.3.15 The Permittee shall comply with the emission limitations specified in Condition Nos. 3.3.12, 3.3.13 and 3.3.14 by one of the following:
[40 CFR 63.802(a)(1), 40 CFR 63.804(a), 40 CFR 63.804(g)]

- a. The application of low solvent coating technology where each and every coating material (including stains, washcoats, sealers, topcoats, basecoats, enamels, and thinners) utilized meets the limits specified in Condition Nos. 3.3.13 and 3.3.14; or
- b. The application of low solvent coating technology where the monthly weighted average of all coating material (including stains, washcoats, sealers, topcoats, basecoats, enamels, and thinners) utilized does not exceed 1.0 pound of VHAP per pound of solids, as applied, as stated in Condition 3.3.12.

NEW CONDITION

3.3.16 The Permittee shall not use any strippable spray booth material that contains VOC in excess of 0.8 pounds of VOC per pound of solids, as applied.
[40 CFR 63.802(a)(3)]

NEW CONDITION

- 3.3.17 The Permittee shall not use any foam adhesive, in products meeting flammability requirements specified in 40 CFR Part 63 Subpart JJ, that has a VHAP content of greater than 1.8 pounds of VHAP per pound of solids, as applied.
[40 CFR 63.802(a)(2)]

NEW CONDITION

- 3.3.18 The Permittee shall not use any contact adhesive, including foam adhesives used in products not meeting flammability requirements specified in 40 CFR Part 63 Subpart JJ, that has a VHAP content of greater than 1.0 pound of VHAP per pound of solids, as applied. This limit does not apply to aerosol adhesives or to contact adhesives applied to nonporous substrates.
[40 CFR 63.802(a)(2)]

NEW CONDITION

- 3.3.19 The Permittee shall not use cleaning or washoff solvents that contain any of the pollutants listed in Table 4 of 40 CFR Part 63 Subpart JJ, in concentrations subject to MSDS reporting as required by OSHA.
[40 CFR 63.803(e)]

NEW CONDITION

- 3.3.20 The Permittee shall not utilize compounds containing more than 8.0% by weight of VOC for cleaning spray booth components other than conveyors, continuous coaters and their enclosures, or metal filters, or plastic filters unless the spray booths are being refurbished. If any of the spray booths are being refurbished, that is, the spray booth coating or other protective material used to cover the booth is being replaced, then the Permittee shall use no more than 1.0 gallon of organic HAP solvent per booth to prepare the surface of the booth prior to applying the booth coating.
[40 CFR 63.803(f)]

40 CFR 63 Subpart QQQQ

NEW CONDITION

- 3.3.21 The Permittee shall limit organic HAP emissions to the atmosphere from any wood building product coating operations, as defined by 40 CFR 63.4681, to no more than the applicable emission limits of 40 CFR 63, Subpart QQQQ, *Surface Coating of Wood Building Products* as shown in Table 3.3.21. If the Permittee applies coatings to wood building products that are in different subcategories, then the Permittee must demonstrate compliance by one of the following choices:

[40 CFR 63.4690(b) and (c)]

- a. Conduct separate compliance demonstrations for each applicable subcategory emission limit and reflect these separate determinations in notifications, reports and records as required by Permit Conditions 6.2.13 through 6.2.24, respectively.
- b. Demonstrate compliance with the most stringent of the applicable subcategory emission limits.

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Table 3.3.21 – 40 CFR 63, Subpart QQQQ Emission Limits

Subcategory	Emission Limit – Determined monthly as a rolling 12-month emission rate, in grams HAP/liter solids (lb HAP/gallon solids)
Exterior siding and primed doorskins. (Includes lap or panel siding, trimboard, and primed doorskins. Doorskins that are coated with more than primer are included in the doors, windows, and miscellaneous subcategory.)	7 (0.06)
Flooring (Includes solid wood flooring, engineered wood flooring, and wood laminate flooring.)	93 (0.78)
Interior wall paneling or tileboard. (Includes interior wall paneling products. Tileboard is a premium interior wall paneling product.)	183 (1.53)
Other interior panels. (Includes panels that are sold for uses other than interior wall paneling, such as coated particleboard, hardboard, and perforated panels.)	20 (0.17)
Doors, windows, and miscellaneous. (Includes doors, windows, finished doorskins, and door and window components such as millwork, moulding, or trim, and other miscellaneous wood building products including, but not limited to, all moulding and trim, shingles, and shutters.)	231 (1.93)

NEW CONDITION

3.3.22 The Permittee shall comply with the emission limits in 40 CFR 63, Subpart QQQQ using the *Compliant Material Option* in Condition 3.3.22(a) or the *Emissions Rate Without Add-On Controls Option* in Condition 3.3.22(b). The Permittee may apply any of the compliance options to an individual coating operation, or to multiple coating operations as a group, or to the entire affected source. However, the Permittee may not use different compliance options at the same time on the same coating operation. If the Permittee switches compliance options for any coating operation or group of coating operations, the Permittee must document this switch in the record required by Condition 6.2.16 and report it in the next semiannual compliance report required by Condition 6.2.14. [40 CFR 63.4691]

- a. *Compliant Material Option* – The Permittee shall only use coatings that comply with the appropriate emission limit in Condition 3.3.21, use thinners and cleaning materials that contain no organic HAP, keep records and document the calculations as required by Conditions 6.2.16, 6.2.17, 6.2.18, 6.2.20, 6.2.21, and 6.2.22 and provide notifications and reports as required by Conditions 6.2.14 and 6.2.15. Materials with “no HAP content” are defined as materials containing no carcinogenic HAP greater than 0.1% by mass and containing no other HAP (or combination of HAPs) greater

than 1.0% by mass. Emission limit compliance calculations shall consider materials used as the condition it is in when it is received from its manufacturer or supplier and prior to any alteration.

- b. *Emissions Rate Without Add-on Controls Option* – The Permittee shall calculate, for the applicable coating operation or group of coating operations, the rolling 12-month emission rate, evaluated on a monthly basis, for all coatings, thinners and cleaning materials, combined. The calculated rolling 12-month emission rate shall be equal to or less than the applicable emission limit in Condition 3.3.21. Additionally, the Permittee must keep records and document calculations as required by Conditions 6.2.16, 6.2.17, 6.2.19, 6.2.21, 6.2.22, 6.2.23, 6.2.24, and 6.2.25 and provide notifications and reports as required by Conditions 6.2.14 and 6.2.15.

3.3.23 [Reserved]

40 CFR 63 Subpart DDDD

NEW CONDITION

- 3.3.24 The Permittee shall comply with all applicable provisions of 40 CFR 63, Subpart DDDD – “National Emission Standards for Hazardous Air Pollutants: Plywood and Composite Wood Products” as it applies to the Flash Tube Dryer (Source Code: 3407) and the Former/Press (Source Code: 3508).
[40 CFR 63, Subpart DDDD]

3.4 Equipment SIP Rule Standards

MODIFIED CONDITION

- 3.4.1 The Permittee shall not cause, let, suffer, or allow emissions from the following Emission Unit ID Nos. 3404, 3407, 3450, 3508, 3532, 3706, 3901, 2102, 2103, 2104, 2202, 2203 and 2300 the opacity of which is equal to or greater than forty (40) percent.
[391-3-1-.02(2)(b)1]

MODIFIED CONDITION

- 3.4.3 The Permittee shall not discharge, or cause the discharge, into the atmosphere, from the Boiler (Source Code 3460) and the Hot Oil System (Source Code 3550), any gases that exhibit visible emissions, the opacity of which is equal to or greater than twenty (20) percent except for one six minute period per hour of not more than twenty-seven (27) percent opacity.
[391-3-1-.02(2)(d)3]

MODIFIED CONDITION

- 3.4.4 The Permittee shall not cause, let, suffer, or allow the rate of emissions of particulate matter equal to or exceeding the following; $E = 4.1 (P^{0.67})$ for any process (Emission Unit ID Nos. 3404, 3407, 3450, 3508, 3532, 3706, 3901, 2102, 2102A, 2202, 2202A and 2300) where E = Emission rate in pounds per hour and P = Process input rate in tons per hour.
[391-3-1-.02(2)(e)1(i)]

MODIFIED CONDITION

- 3.4.5 The Permittee shall not fire any fuel that contains greater than 2.5-weight percent sulfur in the Boiler (Source Code: 3460), the Hot Oil System (Source Code: 3550) and the Ovens and Heaters (Source Code: 2104).
[391-3-1-.02(2)(g)2]

MODIFIED CONDITION

- 3.4.6 The Permittee shall not discharge, or cause the discharge, into the atmosphere from the Hot Oil System (Source Code: 3550), gases which contain Particulate Matter in amounts equal to or exceeding 0.5 pounds per million Btu.
[391-3-1-.02(2)(d)2]

NEW CONDITION

- 3.4.7 The Permittee shall not cause, let, suffer, or allow the emissions of VOC from surface coating of flat wood paneling to exceed the following:
[391-3-1-.02(2)(jj)1]

- i. 6.0 pounds per 1000 square feet of coated finished product from printed interior panels, regardless of the number of coats applied.
- ii. 12.0 pounds per 1000 square feet of coated finished product from natural finish hardwood plywood panels, regardless of the number of coats applied.
- iii. 10.0 pounds per 1000 square feet of coated finished product from Class II finishes on hardboard panels, regardless of the number of coats applied.

For the purposes of this condition, the definitions of the above referenced products can be found in 391-3-1-.02(2)(jj)3.

NEW CONDITION

- 3.4.8 The Permittee shall comply with the emission limitation specified in Condition No. 3.4.7 by the following method: The application of low solvent coating technology where the 24-hour weighted average of all coatings on a single coating line or operation meets the limits stated in Condition No. 3.4.7. Averaging across lines is not allowed.

3.5 Equipment Standards Not Covered by a Federal or SIP Rule and Not Instituted as an Emission Cap or Operating Limit

NEW CONDITION

- 3.5.1 The Permittee shall clean or replace each of the spray booth exhaust filters located on Emission Unit ID Nos. 2101 and 2201 semiannually.
[391-3-1-.02(2)(a)10]

PART 4.0 REQUIREMENTS FOR TESTING**4.1 General Testing Requirements****MODIFIED CONDITION**

4.1.3 Performance and compliance tests shall be conducted and data reduced in accordance with applicable procedures and methods specified in the Division's Procedures for Testing and Monitoring Sources of Air Pollutants. The methods for the determination of compliance with emission limits listed under Sections 3.2, 3.3, 3.4 and 3.5 which pertain to the emission units listed in Section 3.1 are as follows:

- a. Method 1 shall be used for selection of sample point locations and velocity traverses.
- b. Method 2 shall be used to determine stack gas velocity and volumetric flow rate.
- c. Method 3 or 3A shall be used to determine stack gas molecular weight.
- d. Method 3B shall be used to determine the emissions rate correction factor or excess air. Method 3A may be used as an alternative to Method 3B.
- e. Method 4 shall be used to determine stack gas moisture.
- f. Method 5 shall be used to determine Particulate Matter (PM) concentration.
- g. Method 7E shall be used to determine Nitrogen Oxide (NO_x) emission rate.
- h. Method 9 and the procedures of Section 1.3 of the above referenced document shall be used to determine the opacity of emissions.
- i. Method 10 shall be used to determine Carbon Monoxide (CO) emission rate.
- j. Method 19 shall be used to determine the Particulate Matter (PM) emission rate.
- k. Method 24 shall be used for the determination of volatile matter content, water content, density, volume solids, and weight solids in surface coatings.
- l. Method 25 shall be used for the determination of Volatile Organic Compounds, as carbon. Method 25A may be used for this purpose at the discretion of the Director. Appropriate conversion factors must be used to convert the VOC (as carbon) to actual VOC.
- m. Method 204 (Methods 204A through F) shall be used for criteria and verification of a press enclosure.
- n. Method 308 in appendix A to 40 CFR 63 shall be used to determine methanol emissions; OR Method 320 in appendix A to 40 CFR 63 shall be used to determine HAP emissions; OR the NCASI Method CI/WP-98.01 (incorporated by reference, see

§ 63.14(f)); OR the NCASI Method IM/CAN/WP-99.01 (incorporated by reference, see § 63.14(f)).

- o. Method 311 shall be used for the analysis of hazardous air pollutant compounds in paints and coatings by direct injection into a gas chromatograph.
- p. Method 320 in appendix A to 40 CFR 63 shall be used to determine HAP emissions; OR the NCASI Method IM/CAN/WP-99.01 (incorporated by reference, see § 63.14(f)).

Minor changes in methodology may be specified or approved by the Director or his designee when necessitated by process variables, changes in facility design, or improvement or corrections that, in his opinion, render those methods or procedures, or portions thereof, more reliable.

[391-3-1-.02(3)(a)]

4.2 Specific Testing Requirements

NEW CONDITION

- 4.2.1 Within 60 days after achieving the maximum production rate at which the affected equipment will be operated, but no later than 180 days after switching to catalytic operating mode following completion of the project, the Permittee shall conduct a PM performance test on the stack associated with the Flash Tube Dryer (Source Code: 3407), the Former/Press (Source Code: 3508), and the Hybrid TCO to verify compliance with the applicable PM limit specified in Conditions 3.3.8.

NEW CONDITION

- 4.2.2 Within 60 days after achieving the maximum production rate at which the affected equipment will be operated, but no later than 180 days after switching to catalytic operating mode following completion of the project, the Permittee shall conduct a CO performance test on the stack associated with the Flash Tube Dryer (Source Code: 3407), the Former/Press (Source Code: 3508), and the Hybrid TCO to verify compliance with the applicable CO limit specified in Conditions 3.3.8.

NEW CONDITION

- 4.2.3 Within 60 days after achieving the maximum production rate at which the affected equipment will be operated, but no later than 180 days after switching to catalytic operating mode following completion of the project, the Permittee shall conduct a NO_x performance test on the stack associated with the Flash Tube Dryer (Source Code: 3407), the Former/Press (Source Code: 3508), and the Hybrid TCO to verify compliance with the applicable NO_x limit specified in Conditions 3.3.8.

NEW CONDITION

- 4.2.4 Within 60 days after achieving the maximum production rate at which the affected equipment will be operated, but no later than 180 days after switching to catalytic operating mode following completion of the project, the Permittee shall conduct a VOC performance test on the stack associated with the Flash Tube Dryer (Source Code: 3407), the Former/Press (Source Code: 3508), and the Hybrid TCO to verify compliance with the applicable limits specified in Conditions 3.2.1 and 3.3.8. For the purpose of this test, the Hybrid TCO (Source

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Code: 3720) shall be operated in catalytic mode at all times during the test. This test shall also be used to define an excursion value for the combustion temperature while the Hybrid TCO is operating in catalytic mode.

NEW CONDITION

4.2.5 The Permittee shall conduct the following performance tests, at the frequency specified, to verify compliance with the emission limits specified in Section 3 of this permit.
[391-3-1-.02(6)(b); and 391-3-1-.02(6)(e)]

- a. Particulate matter (PM) emissions from the stack associated with the Flash Tube Dryer (Source Code: 3407), the Former/Press (Source Code: 3508), and the Hybrid TCO shall be conducted at 24-month intervals; the frequency may be reduced to once per 48-month intervals, if testing demonstrates that emissions are less than 50% of allowable.
- b. Volatile Organic Compounds (VOC) emissions from the stack associated with the Flash Tube Dryer (Source Code: 3407), the Former/Press (Source Code: 3508), and the Hybrid TCO shall be conducted at 24-month intervals; the frequency may be reduced to once per 48-month intervals, if testing demonstrates that emissions are less than 50% of allowable.
- c. HAP destruction efficiency from the stack associated with the Flash Tube Dryer (Source Code: 3407), the Former/Press (Source Code: 3508), and the Hybrid TCO shall be conducted at 48-month intervals. This test shall also be used to verify or establish the operating temperature for the Hybrid TCO.

After less frequent testing has been allowed, because a test result is lower than the threshold specified in any of the above paragraphs, if a subsequent test shows emissions are above the that threshold, the Permittee shall revert to the more frequent testing until new test results show emissions are below the threshold.

4.2.6 [Reserved]

4.2.7 [Reserved]

NEW CONDITION

4.2.8 If the Permittee replaces or substantially alters the catalytic bed in the Hybrid TCO, the Permittee shall conduct the following performance tests within 180 days of such change:

- a. Particulate matter (PM) emissions from the stack associated with the Flash Tube Dryer (Source Code: 3407), the Former/Press (Source Code: 3508), and the Hybrid TCO.
- b. Volatile Organic Compounds (VOC) emissions from the stack associated with the Flash Tube Dryer (Source Code: 3407), the Former/Press (Source Code: 3508), and the Hybrid TCO. This test shall also be used to verify or establish the operating temperature for the Hybrid TCO.

PART 5.0 REQUIREMENTS FOR MONITORING (Related to Data Collection)**5.2 Specific Monitoring Requirements****MODIFIED CONDITION**

5.2.1 The Permittee shall install, calibrate, maintain, and operate a system to continuously monitor and record the indicated parameters on the following equipment. Where such performance specification(s) exist, each system shall meet the applicable performance specification(s) of the Division's monitoring requirements.

[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

- a. The combustion zone temperature of the oxidizer retention chamber in the Hybrid TCO (Source Code: 3720) at a position prior to any substantial heat loss/exchange; the temperature-monitoring device shall have an accuracy of at least 2.2% (⁰F).
- b. The inlet static pressure of the Hybrid TCO (Source Code: 3720), in inches of water.

MODIFIED CONDITION

5.2.2 The Permittee shall install, calibrate, maintain, and operate monitoring devices for the measurement of the indicated parameters on the following equipment. Data shall be recorded at the frequency specified below. Where such performance specification(s) exist, each system shall meet the applicable performance specification(s) of the Division's monitoring requirements.

[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

- a. The pressure drop across the following baghouses: ADS Filter Baghouse (Source Code: 3245), Refiner HP Relay Baghouse (Source Code: 3290), Former/Press Baghouse (Source Code: 3705), and Trim Saw Baghouse (Source Code: 3708). The pressure drop shall be recorded at least once per day or portion of each day of operation.
- b. The pressure drop across Rotary Bed Protectors #1 and #2 (Source Codes: 3721 and 3722). The pressure drop shall be recorded at least once per shift that the equipment is operating.
- c. The pressure drop across Panel Baghouse 1821. The pressure drop shall be recorded at least once per week or portion of each week of operation.
- d. The pressure differentials between the inside and outside of the PTE/press room, which captures VOC emissions from the press (Source Code: 3508). Data shall be recorded once per shift or portion of each shift of operation.

MODIFIED CONDITION

5.2.4 The Permittee shall, for each week or portion of each week of operation of the emission units controlled by cyclones 1812, 1814, 1816, 1817, 1818, 2822, 2901, 2902 and 2903, inspect the exterior of the cyclones for holes in the body or evidence of malfunction in the interior, and take corrective action if a problem is identified. If a problem is found, the Permittee shall

record this and note the corrective action taken. A checklist or other similar log may be used for this purpose.

[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

NEW CONDITION

5.2.5 The Permittee shall, for each week or portion of each week of operation of the emission units controlled by Cyclones 2822, 2901, 2902 and 2903, inspect the exterior of the cyclones for holes in the body or evidence of malfunction in the interior, and take corrective action if a problem is identified. If a problem is found, the Permittee shall record this and note the corrective action taken. A checklist or other similar log may be used for this purpose.

[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

NEW CONDITION

5.2.6 The Permittee shall check and verify the activity level of the catalyst in the Hybrid TCO (Source Code: 3720) at least once every 12 months in accordance with Condition 3.3.9. Upon determining the catalytic activity has dropped below 95% DRE, as determined by the catalyst activity test, the Permittee shall take corrective action as soon as realistically possible (e.g., replace or clean catalyst, operate at higher temperature, etc.) and notify the Division within 30 days.

40 CFR 63 Subpart JJ**NEW CONDITION**

5.2.7 The Permittee shall prepare and maintain a written Work Practice Implementation Plan that defines the work practices for each wood furniture coating operation. The work practice implementation plan shall be kept onsite and available for inspection by the Division upon request. This plan shall include the following requirements:

[40 CFR 63.803, 40 CFR 63.806(e)]

- a. The Permittee shall develop and implement an operator training course for all personnel in affected operations. All new personnel shall be trained upon hiring and a refresher course should be provided for all affected personnel every twelve months. The training course at a minimum should consist of the following:
 - i. A list of current personnel by name and job description that is required to be trained,
 - ii. An outline of the subjects to be covered in the initial and refresher training for each position,
 - iii. Lesson plans for courses to be given at the initial and the annual refresher training that include, at a minimum, appropriate application techniques, appropriate cleaning and washoff procedures, appropriate equipment setup and adjustment to minimize finishing material usage and overspray, and appropriate management of cleanup wastes, and
 - iv. A description of the methods used at the completion of the training to demonstrate and document successful training.

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- b. The Permittee shall develop and implement a leak detection and maintenance plan that specifies the following:
 - i. A minimum visual inspection frequency of once per month for all equipment used to transfer or apply coatings, adhesives, or organic HAP solvents,
 - ii. An inspection schedule, and
 - iii. The methods for documenting the date and results of the inspection and any repairs that were made, and the time frame between identifying the leak and making the repair. The repair schedule for repairing leaks will adhere to the following schedule: the first attempt to repair should be made within five calendar days after the leak is detected, and final repairs should be made within 15 calendar days after the leak is detected, or within three months if the leaking equipment is to be replaced by a new purchase.
- c. The Permittee shall develop and implement a chemical composition accounting system to record from each affected source the following:
 - i. The type and quantity of each organic HAP solvent used each month for washoff and cleaning, as defined in 40 CFR Part 63.801,
 - ii. The number of pieces washed off and the reason for the washoff, and
 - iii. The quantity of spent organic HAP solvent generated from each washoff and cleaning operation each month including the method of disposal for the spent solvent.
- d. The Permittee shall not utilize any solvents and/or cleaners in any affected wood furniture operation that are prohibited per Condition 3.3.19.
- e. The Permittee shall not utilize any solvents and/or cleaners in any affected wood furniture operation that are prohibited per Condition 3.3.20,
- f. The storage of finishing, gluing, cleaning, and washoff materials shall be in containers that are normally kept closed.
- g. The Permittee shall only use conventional spray guns to apply finishing material under the following circumstances:
 - i. To apply finishing materials that have a VOC content no greater than 1.0 pound VOC per pound solids,
 - ii. For touch up and repair operations after the finishing operations,
 - iii. When spray is automated,

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- iv. When emissions from the finishing operations are directed to a control device,
- v. When the total usage of finishing material applied with the conventional air gun is no more than five percent of the total gallons of finishing material used during that semiannual period, and
- vi. The conventional air gun is used to apply stain on a part for which it is technically or economically infeasible to use any other spray application device.
- h. The Permittee shall pump or drain all organic HAP solvent used to clean spray guns and/or paint lines into a normally closed container.
- i. The Permittee shall control emissions from washoff operations by using normally closed tanks for washoff and minimizing dripping by tilting or rotating the part to drain as much solvent as possible, and
- j. The Permittee shall develop and implement a formulation assessment plan for finishing operations that includes the following:
 - i. Identification of the VHAP from the list presented in 40 CFR Part 63 Subpart JJ, Table 5, that are being used in the finishing operations,
 - ii. The establishment of a baseline level of usage for each VHAP identified in paragraph i in accordance with 40 CFR Part 63.803(l)(2),
 - iii. The tracking of the annual usage of each VHAP identified in paragraph i that is present in amounts subject to MSDS reporting as required by OSHA,
 - iv. Notification to the Division, per Condition 6.2.11, if the annual usage of any VHAP identified in paragraph i exceeds its baseline level, as outlined in 40 CFR Part 63.803(l)(4) through (l)(5),
 - v. If the Permittee uses a VHAP of potential concern listed in 40 CFR Part 63 Subpart JJ, Table 6, for which a baseline level has not been previously established, then the baseline level shall be established as the de minimis level provided in that same table for that chemical.
 - vi. The tracking of the annual usage of VHAP identified in paragraph v that is present in amounts subject to MSDS reporting as required by OSHA, and
 - vii. Notification to the Division, per Condition 6.2.11, if the annual usage of any VHAP identified in paragraph v. exceeds its de minimis level, as outlined in 40 CFR Part 63.803(l)(6).

PART 6.0 OTHER RECORD KEEPING AND REPORTING REQUIREMENTS**6.1 General Record Keeping and Reporting Requirements**

MODIFIED CONDITION

6.1.7 For the purpose of reporting excess emissions, exceedances or excursions in the report required in Condition 6.1.4, the following excess emissions, exceedances, and excursions shall be reported:

[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

- a. Excess emissions: (means for the purpose of this Condition and Condition 6.1.4, any condition that is detected by monitoring or record keeping which is specifically defined, or stated to be, excess emissions by an applicable requirement)

None Applicable.

- b. Exceedances: (means for the purpose of this Condition and Condition 6.1.4, any condition that is detected by monitoring or record keeping that provides data in terms of an emission limitation or standard and that indicates that emissions (or opacity) do not meet the applicable emission limitation or standard consistent with the averaging period specified for averaging the results of the monitoring)

- i. Any twelve consecutive months that the plant produces more than 325 million square feet (1/8" basis) of medium density fiberboard.
- ii. Any day or portion of a day that the VOC emission from surface coating of flat wood paneling is greater than any limitation listed in Condition 3.4.7.
- iii. Any occurrence where fuel with sulfur content greater than 2.5 percent by weight is burned in the Boiler (Source Code: 3460) or Hot Oil System (Source Code: 3550).
- iv. Any monthly weighted average VHAP emissions from any wood furniture finishing operation coating exceeding 1.0 pound per pound of solids, as applied.
- v. Any instance in which the Permittee utilizes a thinner that has a VHAP content greater than 10 percent by weight in the wood furniture finishing operations, as stated per Condition 3.3.15(a).
- vi. Any instance in which the Permittee utilizes a thinner for onsite formulation of washcoats, basecoats, and enamels for use on wood furniture that has a VHAP content of greater than 3 percent by weight, as stated per Condition 3.3.15(a).
- vii. Any VOC emissions from any strippable spray booth coating material used for wood furniture finishing exceeding 0.8 pounds per pound of solids as applied.

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- viii. Any VHAP emissions from any foam adhesive (in wood furniture products meeting flammability requirements) exceeding 1.8 pounds per pound of solids as applied.
- ix. Any VHAP emissions from any contact and/or foam adhesive (in wood furniture products not meeting flammability requirements), excluding aerosol adhesives and contact adhesives applied to nonporous substrates, exceeding 1.0 pound per pound of solids, as applied.
- x. Any time the Permittee utilizes cleaning or washoff solvents that contain any of the pollutants listed in Table 4 of 40 CFR Part 63 Subpart JJ in concentrations subject to MSDS reporting as required by OSHA.
- xi. Any time the Permittee utilizes compounds containing more than 8.0 percent by weight of VOC for cleaning spray booth components other than conveyors, continuous coaters and their enclosures, or metal filters or plastic filters unless spray booths are being refurbished. For purposes of this Condition, the term “refurbished” is defined in Condition 3.3.20.
- xii. Any time the Permittee utilizes more than 1.0 gallon of organic HAP solvent per spray booth to prepare the surface of the booth prior to applying the booth coating. This Condition applies to the refurbishing of a spray booth as defined in Condition 3.3.20.
- xiii. When using the Compliant Material Option in Condition 3.3.22(a), any use of a coating, thinner, or cleaning material that does not meet the emission limits in Condition 3.3.21.
- xiv. When using the Emission Rate Without Add-on Controls Option in Condition 3.3.22(b), any monthly 12-month rolling total HAP emission rate that does not comply with the emission limits in Condition 3.3.21.
- c. Excursions: (means for the purpose of this Condition and Condition 6.1.4, any departure from an indicator range or value established for monitoring consistent with any averaging period specified for averaging the results of the monitoring)
 - i. For the sources specified in Condition 5.2.3, any two consecutive required daily determinations of visible emissions from the same source for which visible emissions are present.
 - ii. Any 3-hour block average of the Hybrid TCO retention chamber temperature that is less than 1600 °F (or a value established by the most recent Division-approved performance test) when the Hybrid TCO (Source Code: 3720) is operating in Thermal Mode.
 - iii. Any 3-hour block average of the Hybrid TCO retention chamber temperature less than 1000 °F (or a value established by the most recent Division-approved

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- performance test) when the Hybrid TCO (Source Code 3720) is operating in Catalytic Mode.
- iv. Any 8-hour block period during which the average pressure loss across the rotary bed protectors (Source Codes: 3721 and 3722) is greater than 8 inches of water column.
 - v. Any failure to follow any of the work practices defined in the Work Practice Implementation Plan required by Condition 5.2.7.
 - vi. Any failure to perform a required filter change-out on Emission Unit ID Nos. 2101 or 2201.
 - vii. Any failure to perform a required VE check or maintenance check on any cyclone or baghouse listed in the Table in Section 3.1.
 - viii. Any occurrence when the activity level of the catalyst in the Hybrid TCO (Source Code: 3720) is not maintained in accordance with Conditions 3.3.9 and 5.2.6.
 - ix. Any reading during operation of the press showing that the pressure differential between the inside and outside of the PTE/press room serving the press (Source Code: 3508) is more than 20 % (in the positive direction) above the threshold value established by the most recent Division-approved performance test. The threshold value is to be established initially within 180 days of the issuance of this permit, and reestablished based on subsequent Division-approved performance test.
- d. In addition to the excess emissions, exceedances and excursions specified above, the following should also be included with the report required in Condition 6.1.4:
- i. Any occurrence when the catalyst bed in the Hybrid TCO (Source Code: 3720) is replaced or substantially changed.

6.2 Specific Record Keeping and Reporting Requirements

MODIFIED CONDITION

6.2.2 The Permittee shall maintain the following monthly records:
[40 CFR 52.21 and 40 CFR 60.48c(g)]

- a. The monthly production of finished product (MDF, in square feet on a 1/8" basis).
- b. The quantity of natural gas burned monthly in the boiler (Source Code 3460).

MODIFIED CONDITION

6.2.3 The Permittee shall submit a semiannual report by July 30 of the calendar year of record and by January 30 of the year following the calendar year of record, unless otherwise approved by the Division. The semiannual reporting periods shall be January 1 through June 30 and July 1 through December 31. Each semiannual report shall consist of six 12-consecutive month totals (one twelve consecutive month total for each month in the reporting period) of the following:
[40 CFR 52.21]

a. The quantity of MDF produced (in square feet on a 1/8" basis).

A 12-consecutive month total shall be the sum of a reporting period month's total plus the totals of the previous eleven consecutive months. The report shall be prepared from records retained per Condition 6.2.2 and submitted in a form acceptable to the Division.

NEW CONDITION

6.2.5 The Permittee shall maintain usage records of all materials containing volatile organic compounds (VOC) and volatile hazardous air pollutants (VHAP) at the facility.
[391-3-1-.02(6)(b)1(i)]

40 CFR 63 Subpart JJ

NEW CONDITION

6.2.6 The Permittee shall maintain certified product data sheets (CPDS) for each finishing material (including stains, washcoats, sealers, topcoats, basecoats, and enamels), thinner, contact adhesive, and strippable spray booth coating containing VHAP materials. If solvent or other VHAP is added to the finishing material before application, the affected source shall maintain documentation showing the VHAP content of the finishing material as delivered to the coating applicator, in pounds of VHAP per pound of solids, as applied. The Permittee shall record all applicable categories (finishing materials, strippable spray booth coating, or contact adhesive) for each material utilized. These records shall be kept available for inspection or submittal for five years from the date of record. The Permittee shall notify the Division in writing if any finishing material or thinner exceeds the limits specified in Condition Nos. 3.3.12, 3.3.13 and/or 3.3.14. This notification shall be postmarked by the fifteenth day from the date of noncompliance and shall include an explanation of how the Permittee intends to attain compliance with the emission limits specified in Condition Nos. 3.3.12, 3.3.13 and/or 3.3.14.
[40 CFR 63.804(a)(2), 40 CFR 63.804(g)(2), 40 CFR 63.806(b) and (c)]

NEW CONDITION

6.2.7 The Permittee shall use the usage records required per Condition 6.2.5 to determine the total weight of each containerized waste material disposed and the VOC content and the VHAP content of each material or waste (expressed as a weight percentage) if the Permittee takes credit for the VOCs and/or VHAPs leaving the property via waste disposal. All calculations used to determine usages should be kept as part of the monthly record.
[391-3-1-.02(6)(b)1(i), 40 CFR 63.806, and 40 CFR 70.6(a)(3)(i)]

NEW CONDITION

6.2.8 The Permittee shall use the records required by Condition Nos. 6.2.6 and 6.2.7 to determine and record the monthly average VHAP content across all finishing materials (including stains, washcoats, sealers, topcoats, basecoats, and enamels) using the following equation:
[391-3-1-.02(6)(b)1(i), 40 CFR 63.804(a)(1), 40 CFR 63.806(c)]

$$E = \frac{\sum_{i=1}^n (M_{ci}C_{ci} + S_iW_i)}{\sum_{i=1}^n M_{ci}}$$

where:

E = Average VHAP content, in units of pound VHAP/pound solids.

M_{ci} = Mass of solids in finishing material i used monthly, in units of pound solids/month.

C_{ci} = VHAP content of finishing material i, in units of pound VHAP/pound solids, as supplied.

S_i = VHAP content of solvent i added to finishing materials, expressed as a weight fraction.

W_i = Amount of solvent i added to finishing materials during the monthly averaging period, in units of pound.

The Permittee shall maintain copies of the averaging equation for each month following the compliance date, as well as the data on the quantity of each finishing material used to support the calculation. The Permittee shall notify the Division in writing if the monthly weighted average VHAP content (E) exceeds the emission limit specified in Condition No. 3.3.12, as applied, during any calendar month. This notification shall be postmarked by the fifteenth day of the following month and shall include an explanation of how the Permittee intends to attain compliance with the emission limit specified in Condition No. 3.3.12.
[391-3-1-.02(6)(b)1(i) and 40 CFR 63.804(a)(1) and (g)(1)]

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NEW CONDITION

- 6.2.9 The Permittee shall notify the Division in writing if any strippable booth coating used exceeds the limit specified in Condition No. 3.3.16. This notification shall be postmarked by the fifteenth day from the date of noncompliance and shall include an explanation of how the Permittee intends to attain compliance with the emission limit specified in Condition No. 3.3.16.
[40 CFR 63.804(g)(7) and 40 CFR 63.806(b) and (c)]

NEW CONDITION

- 6.2.10 The Permittee shall notify the Division in writing if any contact and/or foam adhesive used exceeds the limits specified in Condition Nos. 3.3.17 and 3.3.18. This notification shall be postmarked by the fifteenth day from the date of noncompliance and shall include an explanation of how the Permittee intends to attain compliance with the emission limits specified in Condition Nos. 3.3.17 and 3.3.18.
[40 CFR 63.804(b), 40 CFR 63.804(g)(5), 40 CFR 63.806(b) and (c)]

NEW CONDITION

- 6.2.11 The Permittee shall, if the annual usage of a VHAP identified in accordance with Condition Nos. 5.2.7(j)(i) or 5.2.7(j)(v) exceeds its baseline level, provide a written notification including one or more statements that explain the reasons for the usage increase. The notification shall be submitted no later than 30 calendar days after the end of the annual period in which the usage increase occurred.
[40 CFR 63.803(l)(4), (6), and 40 CFR 63.807(e)]

NEW CONDITION

- 6.2.12 The Permittee shall submit with the semiannual compliance status report required in Condition No. 6.1.4 the information required by 40 CFR 63.804(g), a statement of whether the Permittee was in compliance or noncompliance with 40 CFR Part 63 Subpart JJ, and the actions taken to correct any noncompliance items. In addition, this report shall include a statement regarding the compliance status of the sealer, topcoat, and strippable spray booth coatings, and the status of the work practice implementation plan. The compliance certification shall identify any days during which compliance with 40 CFR Part 63 Subpart JJ was not achieved and specify reasons for noncompliance. The compliance status report must be signed by a responsible official of the company.
[40 CFR 63.804(g)(1), (5), (7), and (8) and 40 CFR 63.807(c)]

NEW CONDITION

- 6.2.13 The Permittee shall maintain all records of the Work Practice Implementation Plan that defines the work practices for each wood furniture coating operation as required in accordance with Condition 5.2.7.
[40 CFR 63.803, 40 CFR 63.806(e)]

40 CFR 63 Subpart QQQQ

6.2.14 [Reserved]

NEW CONDITION

6.2.15 The Permittee shall submit a semiannual compliance report containing the information specified in the subparagraphs of this Condition. The initial semiannual compliance report will cover the period from the day after the end of the initial compliance period defined in Condition 6.2.14 and ends on June 30 or December 31, whichever occurs first. This initial report shall be submitted along with the report required by Condition 6.1.4. Subsequent semiannual compliance reports shall cover the semiannual periods ending June 30 and December 31 and shall be included with the report required by Condition 6.1.4.
[40 CFR 63.4720(a)]

- a. The following information must be included in all semiannual compliance reports, regardless of the compliance option.
 - i. Company name and address.
 - ii. Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report.
 - iii. Date of report and beginning and ending dates of the reporting period. The reporting period is the 6-month period ending on June 30 or December 31. Note that the information reported for each of the 6 months in the reporting period will be based on the last 12 months of data prior to the date of each monthly calculation.
 - iv. Identification of the compliance option or options specified in Condition 3.3.22 that the Permittee used on each coating operation during the reporting period. If the Permittee switched between compliance options during the reporting period, the Permittee must report the beginning and ending dates for each option used.
 - v. If the Permittee used the *Emission Rate Without Add-On Controls* compliance option, the calculation results for each rolling 12- month organic HAP emission rate during the 6-month reporting period.
 - vi. If there were no deviations from the emission limitations in Condition 3.3.21, the semiannual compliance report must include a statement that there were no deviations from the emission limitations during the reporting period.
- b. If the Permittee used the *Compliant Material Option* and there was a deviation from the applicable organic HAP content requirements in Condition 3.3.21, the semiannual compliance report must contain the information in paragraphs (b)(i) through (iv).
 - i. Identification of each coating used that deviated from the applicable emission limit and each thinner and cleaning material used that contained organic HAP, and the dates and time periods each was used.

- ii. The calculation of the organic HAP content (using Equation 2 of § 63.4741) for each coating identified in paragraph (b)(i) of this Condition.
 - iii. The determination of mass fraction of organic HAP for each thinner and cleaning material identified in paragraph (b)(i) of this Condition.
 - iv. A statement of the cause of each deviation.
- c. If the Permittee used the *Emission Rate Without Add-On Controls Option* and there was a deviation from the applicable emission limit in Condition 3.3.21, the semiannual compliance report must contain the information in paragraphs (c)(i) through (iii) of this section.
- i. The beginning and ending dates of each compliance period during which the 12-month organic HAP emission rate exceeded the applicable emission limit in Condition 3.3.21.
 - ii. The calculations used to determine the 12-month organic HAP emission rate for the compliance period in which the deviation occurred. The Permittee must submit the calculations for Equations 1, 1A through 1C, 2, and 3 of § 63.4751; and if applicable, the calculation used to determine mass of organic HAP in waste materials according to Condition 6.2.24.
 - iii. A statement of the cause of each deviation.

NEW CONDITION

- 6.2.16 The Permittee shall maintain a current copy of manufacturer's formulation data, a summary of manufacturer testing, or a complete copy of the test report of facility material testing that identifies the mass fraction of organic HAP, volume fraction of coating solids (coatings only), and density for each coating, thinner and cleaning material.
[40 CFR 63.4730(b)]

NEW CONDITION

- 6.2.17 The Permittee shall maintain a record of the wood building product coating operations at which each compliance option was used and the time periods (beginning and ending date and times) each option was used.
[40 CFR 63.4730(c)(1)]

NEW CONDITION

- 6.2.18 For the *Compliant Material Option*, the Permittee shall maintain a record of the calculation of the organic HAP content for each coating using Equation 2 of §63.3941. The organic HAP emission limit for each coating shall be included in the record.
[40 CFR 63.4730(c)(2)]

$$H_c = \frac{(D_c)(W_c)}{V_s} \quad (\text{Equation 2 of §63.4741})$$

Where:

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Hc = Organic HAP content of the coating, grams (lbs) organic HAP emitted per liter (gal) coating solids used.

Dc = Density of coating, grams (lbs) coating per liter (gal) coating, determined according to paragraph (c) of 40 CFR 63.4741.

Wc = Mass fraction of organic HAP in the coating, grams (lbs) organic HAP per grams (lbs) coating, determined according to paragraph (a) of 40 CFR 63.4741

Vs = Volume fraction of coating solids, liter (gal) coating solids per liter (gal) coating, determined according to paragraph (b) of 40 CFR 63.4741.

NEW CONDITION

6.2.19 For the *Emission Rate Without Add-on Control Option*, the Permittee shall maintain a record of the calculation of the total mass of organic emissions for the coatings, thinners, and cleaning materials used each month using Equations 1, 1A, 1B, 1C and 2 of 40 CFR 63.4751, the calculation of the total volume of coating solids used each month using Equation 2 of 40 CFR 63.4751, the monthly calculation of each 12-month organic HAP emission rate using Equation 3 of 40 CFR 63.4751, and if applicable, the calculation of organic HAP contained in waste materials according to Condition 6.2.24. If the Permittee tracks material usage by weight in lieu of volume, the Permittee may use the weight in lieu of the product density and volume for Equations 1A, 1B, and 1C of 40 CFR 63.4751. [40 CFR 63.4730(c)(3) and 40 CFR 63.4751(c) and (e)]

$$H_e = A + B + C - R_w \quad (\text{Equation 1 of §63.4751})$$

Where:

H_e = Total mass of organic HAP emissions during the month, grams (lbs).

A = Total mass of organic HAP in the coatings used during the month, grams (lbs), as calculated per Equation 1A of §63.4751.

B = Total mass of organic HAP in the thinners used during the month, grams (lbs), as calculated per Equation 1B of §63.4751.

C = Total mass of organic HAP in the cleaning materials used during the month, grams (lbs), as calculated per Equation 1C of §63.4751.

R_w = Total mass of organic HAP in waste materials sent or designated for shipment to a hazardous waste TSDF for treatment or disposal during the month, grams (lbs), determined according to Condition 6.2.32. (Assign a value of zero to R_w if this allowance is not used.)
[40 CFR 63.4730(c)(3)]

$$A = \sum_{i=1}^m (Vol_{c,i})(D_{c,i})(W_{c,i}) \quad (\text{Equation 1A of §63.4751})$$

Where:

A = Total mass of organic HAP in the coatings used during the month, grams (lbs).

Vol_{c,i} = Total volume of coating, i, used during the month, liters (gal).

D_{c,i} = Density of coating, i, grams (lbs) coating per liter (gal) coating.

W_{c,i} = Mass fraction of organic HAP in coating, i, grams (lbs) organic HAP per grams (lbs) coating.

m = Number of different coatings used during the month.

$$B = \sum_{j=1}^n (Vol_{t,j}) (D_{t,j}) (W_{t,j}) \quad (\text{Equation 1B of §63.4751})$$

Where:

B = Total mass of organic HAP in the thinners used during the month, grams (lbs).

Vol_{t,j} = Total volume of thinner, j, used during the month, liters (gal).

D_{t,j} = Density of thinner, j, grams (lbs) per liter (gal).

W_{t,j} = Mass fraction of organic HAP in thinner, j, grams (lbs) organic HAP per grams (lbs) thinner.

n = Number of different thinners used during the month.

$$C = \sum_{k=1}^p (Vol_{s,k}) (D_{s,k}) (W_{s,k}) \quad (\text{Equation 1C of §63.4751})$$

Where:

C = Total mass of organic HAP in the cleaning materials used during the month, grams (lbs).

Vol_{s,k} = Total volume of cleaning material, k, used during the month, liters (gal).

D_{s,k} = Density of cleaning material, k, grams (lbs) per liter (gal).

W_{s,k} = Mass fraction of organic HAP in cleaning material, k, grams (lbs) organic HAP per grams (lbs) cleaning material.

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p = Number of different cleaning materials used during the month.

$$V_{st} = \sum_{i=1}^m (Vol_{c,i})(V_{s,i}) \quad (\text{Equation 2 of §63.4751})$$

Where:

V_{st} = Total volume of coating solids used during the month, liters (gal).

$Vol_{c,i}$ = Total volume of coating, i, used during the month, liters (gal).

$V_{s,i}$ = Volume fraction of coating solids for coating, i, liter (gal) solids per liter (gal) coating, determined according to § 63.4741(b).

m = Number of different coatings used during the month.

$$H_{yr} = \frac{\sum_{y=1}^n H_e}{\sum_{y=1}^n V_{st}} \quad (\text{Equation 3 of §63.4751})$$

Where:

H_{yr} = Average organic HAP emission rate for the compliance period, grams (lbs) organic HAP emitted per liter (gal) coating solids used.

H_e = Total mass of organic HAP emissions from all materials used during month, y, grams (lbs), as calculated by Equation 1 of §63.4751.

V_{st} = Total volume of coating solids used during month, y, liters (gal), as calculated by Equation 2 of §63.4751.

$W_{s,k}$ = Mass fraction of organic HAP in cleaning material, k, grams (lbs) organic HAP per grams (lbs) cleaning material.

y = Identifier for months.

n = Number of full or partial months in the compliance period (for the initial compliance period, n equals 13; for all following compliance periods, n equals 12).

NEW CONDITION

6.2.20 The Permittee shall maintain a record of the name and volume of each coating, thinner and cleaning material used for wood building product coating operations during each compliance period. If the Permittee is using the *Compliant Material Option*, purchase records may be used in lieu of usage records. The weight may be recorded in lieu of volume

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if the Permittee purchases materials or monitors consumption by weight instead of volume.
[40 CFR 63.4730(d) & 63.4751(d)]

NEW CONDITION

- 6.2.21 The Permittee shall maintain a record of the mass fraction of organic HAP for each coating, thinner and cleaning material used for wood building product coating operations during each compliance period.
[40 CFR 63.4730(e)]

NEW CONDITION

- 6.2.22 The Permittee shall maintain a record of the volume fraction of coating solids for each coating used for wood building product coating operations during each compliance period.
[40 CFR 63.4730(f)]

NEW CONDITION

- 6.2.23 The Permittee shall maintain records of the density of each coating, thinner and cleaning material used. If the Permittee is using the *Emission Rate Without Add-On Control Option*, then the density does not need to be determined if the Permittee purchases materials or monitors consumption by weight instead of volume.
[40 CFR 63.4730(g), 40 CFR 63.4751(c)]

NEW CONDITION

- 6.2.24 For the *Emission Rate Without Add-On Control Option*, if the Permittee uses the allowance for organic HAP contained in waste, then the Permittee must keep records of the name and address of the treatment, storage or disposal facility (TSDF), a statement of which subparts under 40 CFR parts 262, 264, 265, and 266 apply to the TSDF, the date of each shipment to the TSDF, identification of the coating operations producing waste materials included in each shipment and the months in which the Permittee used the allowance, and the methodology used in accordance with 40 CFR 63.4751(e)(4), calculations, and supporting data used to determine the amount of waste material sent to the TSDF.
[40 CFR 63.4730(h)]

NEW CONDITION

- 6.2.25 For the *Emission Rate Without Add-On Control Option*, if the Permittee chooses to account for mass of organic HAP contained in waste materials sent or designated for shipment to a hazardous waste TSDF in the calculations in Condition 6.2.19, the Permittee shall use the following procedures:
[40 CFR 63.4751(e)(4)]
- a. The Permittee may only include waste materials in the determination that are generated by wood building product coating operations demonstrating compliance using the Emission Rate Without Add-On Control Option and that will be treated or disposed of by a facility that is regulated as a TSDF under 40 CFR part 262, 264, 265, or 266. The TSDF may be either off-site or on-site. The Permittee may not include organic HAP contained in wastewater.
 - b. The Permittee must determine either the amount of the waste materials sent to a TSDF during the month or the amount collected and stored during the month and

designated for future transport to a TSDF. Do not include any waste materials sent to a TSDF during a month where it has already been included in the amount collected and stored during that month or a previous month.

- c. Determine the total mass of organic HAP contained in the waste materials specified in paragraph b. of this Condition.
- d. The Permittee must document the methodology used to determine the amount of waste materials and the total mass of organic HAP, as required in Condition 6.2.24. If waste manifests include this information, they may be used as part of the documentation of the amount of waste materials and mass of organic HAP contained in them.
- e. If the Permittee chooses to use the methodology outlined in this Condition, the Permittee must develop and submit to the Division for approval, a plan outlining the means by which the facility will speciate the waste materials generated from 40 CFR 63, Subpart JJ applicable operations, and those generated from 40 CFR 63 Subpart QQQQ applicable operations in order to only receive credit for the mass of organic HAPs from waste generated under 40 CFR Subpart QQQQ operations.

6.2.26 [Reserved]

General

NEW CONDITION

- 6.2.27 The Permittee shall maintain a log indicating the date and the time that each spray booth filter is replaced as required by Condition 3.5.1. The logs shall specify if any filter repair work was performed on the systems and the time and date of any such work. Any failure to perform filter replacement as prescribed by Condition 3.5.1 shall be reported in accordance with Condition 6.1.7c and shall be indicated in the log. These logs shall be kept available for inspection or submittal for five (5) years from the date of record.
[391-3-1-.02(6)(b)1(i) and 40 CFR 70.6(a)(3)(i)]

NEW CONDITION

- 6.2.28 The Permittee shall maintain a log indicating the date and the time that each dust collection system (Air Pollution Control Device ID Nos. 1821, 2822, 2901, 2902 and 2903) is inspected for any malfunctions as required by Conditions 5.2.4 and 5.2.5. The logs shall specify if any repair work was performed on the systems and the time and date of any such work. These logs shall be kept available for inspection or submittal for five (5) years from the date of record.
[391-3-1-.02(6)(b)1(i) and 40 CFR 70.6(a)(3)(i)]

NEW CONDITION

- 6.2.29 The Permittee shall, for each day or portion of a day that the facility is operating, maintain a daily record of each finished product manufactured. This record shall be kept on site and available for inspection for at least five years.

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NEW CONDITION

6.2.30 The Permittee shall calculate the average VOC (in lbs/1000 square feet) emitted each day, or portion of a day of operation, using the records kept per Conditions 6.2.5 and 6.2.29.

6.2.31 [Reserved]

NEW CONDITION

6.2.32 The Permittee shall provide written notification to the Division of the dates on which construction is commenced and completed. Such notification shall be submitted in writing within 30 days of the dates of record.

PART 7.0 OTHER SPECIFIC REQUIREMENTS**7.12 Revocation of Existing Permits and Amendments**

The following Air Quality Permits and Amendments are subsumed by this permit and are hereby revoked:

Air Quality Permit Number(s)	Dates of Original Permit Issuance or Amendment
2493-159-0011-V-01-0	August 28, 2002

7.14 Specific Conditions Associated with this Amendment

- 7.14.1 This permit amendment shall become null and void if construction of the modification is not commenced within eighteen (18) months of the effective date of this amendment.

Attachments

- A. List of Standard Abbreviations and List of Permit Specific Abbreviations
- B. Insignificant Activities Checklist, Insignificant Activities Based on Emission Levels and Generic Emission Groups
- C. List of References

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List Of Standard Abbreviations

[illegible]

VHAP	Volatile Hazardous Air Pollutants
DRE	Destruction and Removal Efficiency

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ATTACHMENT B

NOTE: Attachment B contains information regarding insignificant emission units/activities and groups of generic emission units/activities in existence at the facility at the time of Permit issuance. Future modifications or additions of insignificant emission units/activities and equipment that are part of generic emissions groups may not necessarily cause this attachment to be updated.

INSIGNIFICANT ACTIVITIES CHECKLIST

Category	Description of Insignificant Activity/Unit	Quantity
Mobile Sources	1. Cleaning and sweeping of streets and paved surfaces	1
Combustion Equipment	1. Fire fighting and similar safety equipment used to train fire fighters or other emergency personnel.	1
	2. Small incinerators that are not subject to any standard, limitation or other requirement under Section 111 or 112 (excluding 112(r)) of the Federal Act and are not considered a "designated facility" as specified in 40 CFR 60.32e of the Federal emissions guidelines for Hospital/Medical/Infectious Waste Incinerators, that are operating as follows:	
	i) Less than 8 million BTU/hr heat input, firing types 0, 1, 2, and/or 3 waste.	
	ii) Less than 8 million BTU/hr heat input with no more than 10% pathological (type 4) waste by weight combined with types 0, 1, 2, and/or 3 waste.	
	iii) Less than 4 million BTU/hr heat input firing type 4 waste. (Refer to 391-3-1-.03(10)(g)2.(ii) for descriptions of waste types)	
	3. Open burning in compliance with Georgia Rule 391-3-1-.02 (5).	
	4. Stationary engines burning:	
	i) Natural gas, LPG, gasoline, dual fuel, or diesel fuel which are used exclusively as emergency generators;	
	ii) Natural gas, LPG, and/or diesel fueled generators used for emergency, peaking, and/or standby power generation, where the combined peaking and standby power generation do not exceed 200 hours per year.	
	iii) Natural gas, LPG, and/or diesel fuel used for other purposes, provided that the output of each engine does not exceed 400 horsepower and that no individual engine operates for more than 2,000 hours per year.	1
	iv) Gasoline used for other purposes, provided that the output of each engine does not exceed 100 horsepower and that no individual engine operates for more than 500 hours per year.	
Trade Operations	1. Brazing, soldering, and welding equipment, and cutting torches related to manufacturing and construction activities whose emissions of hazardous air pollutants (HAPs) fall below 1,000 pounds per year.	1
Maintenance, Cleaning, and Housekeeping	1. Blast-cleaning equipment using a suspension of abrasive in water and any exhaust system (or collector) serving them exclusively.	
	2. Portable blast-cleaning equipment.	
	3. Non-Perchloroethylene Dry-cleaning equipment with a capacity of 100 pounds per hour or less of clothes.	
	4. Cold cleaners having an air/vapor interface of not more than 10 square feet and that do not use a halogenated solvent.	2
	5. Non-routine clean out of tanks and equipment for the purposes of worker entry or in preparation for maintenance or decommissioning.	
	6. Devices used exclusively for cleaning metal parts or surfaces by burning off residual amounts of paint, varnish, or other foreign material, provided that such devices are equipped with afterburners.	
	7. Cleaning operations: Alkaline phosphate cleaners and associated cleaners and burners.	

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INSIGNIFICANT ACTIVITIES CHECKLIST

Category	Description of Insignificant Activity/Unit	Quantity
Laboratories and Testing	1. Laboratory fume hoods and vents associated with bench-scale laboratory equipment used for physical or chemical analysis.	1
	2. Research and development facilities, quality control testing facilities and/or small pilot projects, where combined daily emissions from all operations are not individually major or are support facilities not making significant contributions to the product of a collocated major manufacturing facility.	
Pollution Control	1. Sanitary waste water collection and treatment systems, except incineration equipment or equipment subject to any standard, limitation or other requirement under Section 111 or 112 (excluding 112(r)) of the Federal Act..	1
	2. On site soil or groundwater decontamination units that are not subject to any standard, limitation or other requirement under Section 111 or 112 (excluding 112(r)) of the Federal Act.	
	3. Bioremediation operations units that are not subject to any standard, limitation or other requirement under Section 111 or 112 (excluding 112(r)) of the Federal Act.	
	4. Landfills that are not subject to any standard, limitation or other requirement under Section 111 or 112 (excluding 112(r)) of the Federal Act.	
Industrial Operations	1. Concrete block and brick plants, concrete products plants, and ready mix concrete plants producing less than 125,000 tons per year.	
	2. Any of the following processes or process equipment which are electrically heated or which fire natural gas, LPG or distillate fuel oil at a maximum total heat input rate of not more than 5 million BTU's per hour:	
	i) Furnaces for heat treating glass or metals, the use of which do not involve molten materials or oil-coated parts.	
	ii) Porcelain enameling furnaces or porcelain enameling drying ovens.	
	iii) Kilns for firing ceramic ware.	
	iv) Crucible furnaces, pot furnaces, or induction melting and holding furnaces with a capacity of 1,000 pounds or less each, in which sweating or distilling is not conducted and in which fluxing is not conducted utilizing free chlorine, chloride or fluoride derivatives, or ammonium compounds.	
	v) Bakery ovens and confection cookers.	
	3. Carving, cutting, routing, turning, drilling, machining, sawing, surface grinding, sanding, planing, buffing, shot blasting, shot peening, or polishing; ceramics, glass, leather, metals, plastics, rubber, concrete, paper stock or wood, also including roll grinding and ground wood pulping stone sharpening, provided that:	
	i) Activity is performed indoors; &	
	ii) No significant fugitive particulate emissions enter the environment; &	
	iii) No visible emissions enter the outdoor atmosphere.	
	4. Photographic process equipment by which an image is reproduced upon material sensitized to radiant energy (e.g., blueprint activity, photographic developing and microfiche).	
	5. Grain, food, or mineral extrusion processes	
	6. Equipment used exclusively for sintering of glass or metals, but not including equipment used for sintering metal-bearing ores, metal scale, clay, fly ash, or metal compounds.	
	7. Equipment for the mining and screening of uncrushed native sand and gravel.	
	8. Ozonization process or process equipment.	
	9. Electrostatic powder coating booths with an appropriately designed and operated particulate control system.	
	10. Activities involving the application of hot melt adhesives where VOC emissions are less than 5 tons per year and HAP emissions are less than 1,000 pounds per year.	
	11. Equipment used exclusively for the mixing and blending water-based adhesives and coatings at ambient temperatures.	
	12. Equipment used for compression, molding and injection of plastics where VOC emissions are less than 5 tons per year and HAP emissions are less than 1,000 pounds per year.	
	13. Ultraviolet curing processes where VOC emissions are less than 5 tons per year and HAP emissions are less than 1,000 pounds per year.	

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INSIGNIFICANT ACTIVITIES CHECKLIST

Category	Description of Insignificant Activity/Unit	Quantity
Storage Tanks and Equipment	1. All petroleum liquid storage tanks storing a liquid with a true vapor pressure of equal to or less than 0.50 psia as stored.	1
	2. All petroleum liquid storage tanks with a capacity of less than 40,000 gallons storing a liquid with a true vapor pressure of equal to or less than 2.0 psia as stored that are not subject to any standard, limitation or other requirement under Section 111 or 112 (excluding 112(r)) of the Federal Act.	
	3. All petroleum liquid storage tanks with a capacity of less than 10,000 gallons storing a petroleum liquid.	6
	4. All pressurized vessels designed to operate in excess of 30 psig storing petroleum fuels that are not subject to any standard, limitation or other requirement under Section 111 or 112 (excluding 112(r)) of the Federal Act.	1
	5. Gasoline storage and handling equipment at loading facilities handling less than 20,000 gallons per day or at vehicle dispensing facilities that are not subject to any standard, limitation or other requirement under Section 111 or 112 (excluding 112(r)) of the Federal Act.	1
	6. Portable drums, barrels, and totes provided that the volume of each container does not exceed 550 gallons.	
	7. All chemical storage tanks used to store a chemical with a true vapor pressure of less than or equal to 10 millimeters of mercury (0.19 psia).	13

GENERIC EMISSION GROUPS

The following table includes groups of fuel burning equipment subject only to Georgia Rules 391-3-1-.02 (2) (b) & (d). Any emissions unit subject to a NESHAP, NSPS, or any specific Air Quality Permit Condition(s) are not included in this table.

Description of Fuel Burning Equipment	Number of Units
Fuel burning equipment with a rated heat input capacity of less than 10 million BTU/hr burning only natural gas and/or LPG.	0
Fuel burning equipment with a rated heat input capacity of less than 5 million BTU/hr, burning only distillate fuel oil, natural gas and/or LPG.	0
Any fuel burning equipment with a rated heat input capacity of 1 million BTU/hr or less.	9

ATTACHMENT C

LIST OF REFERENCES

1. The Georgia Rules for Air Quality Control Chapter 391-3-1. All Rules cited herein which begin with 391-3-1 are State Air Quality Rules.
2. Title 40 of the Code of Federal Regulations; specifically 40 CFR Parts 50, 51, 52, 60, 61, 63, 64, 68, 70, 72, 73, 75, 76 and 82. All rules cited with these parts are Federal Air Quality Rules.
3. ***Georgia Department of Natural Resources, Environmental Protection Division, Air Protection Branch, Procedures for Testing and Monitoring Sources of Air Pollutants.***
4. ***Georgia Department of Natural Resources, Environmental Protection Division, Air Protection Branch, Procedures for Calculating Air Permit Fees.***
5. Compilation of Air Pollutant Emission Factors, AP-42, Fifth Edition, Volume I: Stationary Point and Area Sources. This information may be obtained from EPA's TTN web site at www.epa.gov/ttn/chief/ap42.html.
6. The latest properly functioning version of EPA's **TANKS** emission estimation software. The software may be obtained from EPA's TTN web site at www.epa.gov/ttn/chief/tanks.html.
7. The Clean Air Act (42 U.S.C. 7401 et seq).
8. White Paper for Streamlined Development of Part 70 Permit Applications, July 10, 1995 (White Paper #1).
9. White Paper Number 2 for Improved Implementation of the Part 70 Operating Permits Program, March 5, 1996 (White Paper #2).